

FIG.1

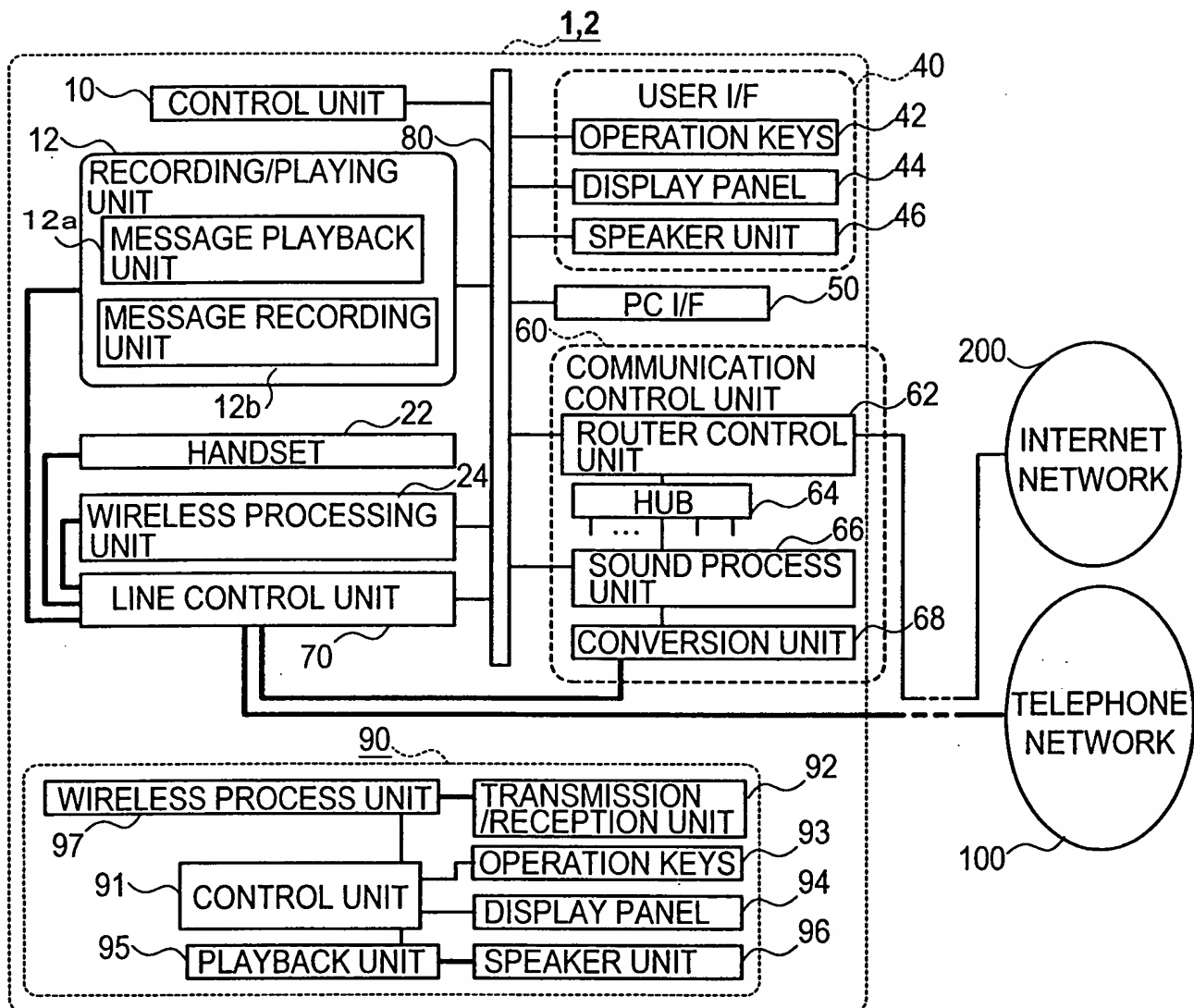


FIG. 2

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graph TD; START([START]) --> S110{INCOMING CALL RECEIVED?}; S110 -- NO --> S180{CALLING OPERATION DONE?}; S110 -- YES --> S120[INITIATION OF RINGING TONE OUTPUT]; S180 -- YES --> S190[CALLING]; S180 -- NO --> S110; S120 --> S130{OFF-HOOK OPERATION DONE?}; S130 -- YES --> S160[TERMINATION OF RINGING TONE OUTPUT]; S130 -- NO --> S140{INCOMING CALL CONTINUING?}; S140 -- YES --> S170[TRANSMISSION PATH SETTING, LINE CONNECTION]; S140 -- NO --> S150[TERMINATION OF RINGING TONE OUTPUT]; S150 --> A((A)); S160 --> S170; S170 --> B((B)); S190 --> S200[TRANSMISSION PATH SETTING, LINE CONNECTION]; S200 --> S210{RESPONDED?}; S210 -- YES --> S240{TRANSFER OPERATION DONE?}; S210 -- NO --> S220{ON-HOOK OPERATION DONE?}; S240 -- YES --> S270[REQUEST FOR LINE CONNECTION]; S240 -- NO --> S250{ON-HOOK OPERATION DONE?}; S250 -- YES --> S260[TRANSMISSION PATH RESET, LINE DISCONNECTION]; S250 -- NO --> S220; S270 --> S280{RESPONDED?}; S280 -- YES --> S290{TRANSFER CANCEL OPERATION DONE?}; S280 -- NO --> S220; S290 -- YES --> S300[CANCELLATION OF CONNECTION REQUEST]; S290 -- NO --> S220; S300 --> B; S220 -- YES --> S230[TRANSMISSION PATH RESET, LINE DISCONNECTION]; S220 -- NO --> S220; S230 --> A; S260 --> S230; S290 --> S310{ON-HOOK OPERATION DONE?}; S310 -- YES --> S330[RELAY INITIATION]; S310 -- NO --> S320{ON-HOOK OPERATION DONE?}; S320 -- YES --> S330; S320 -- NO --> S320; S330 --> S340[DISABLING AUDIO SIGNAL INPUT/OUTPUT]; S340 --> S350{AUDIO CALL TERMINATED?}; S350 -- YES --> S360[LINE DISCONNECTION]; S350 -- NO --> S350; S360 --> A;
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FIG.3

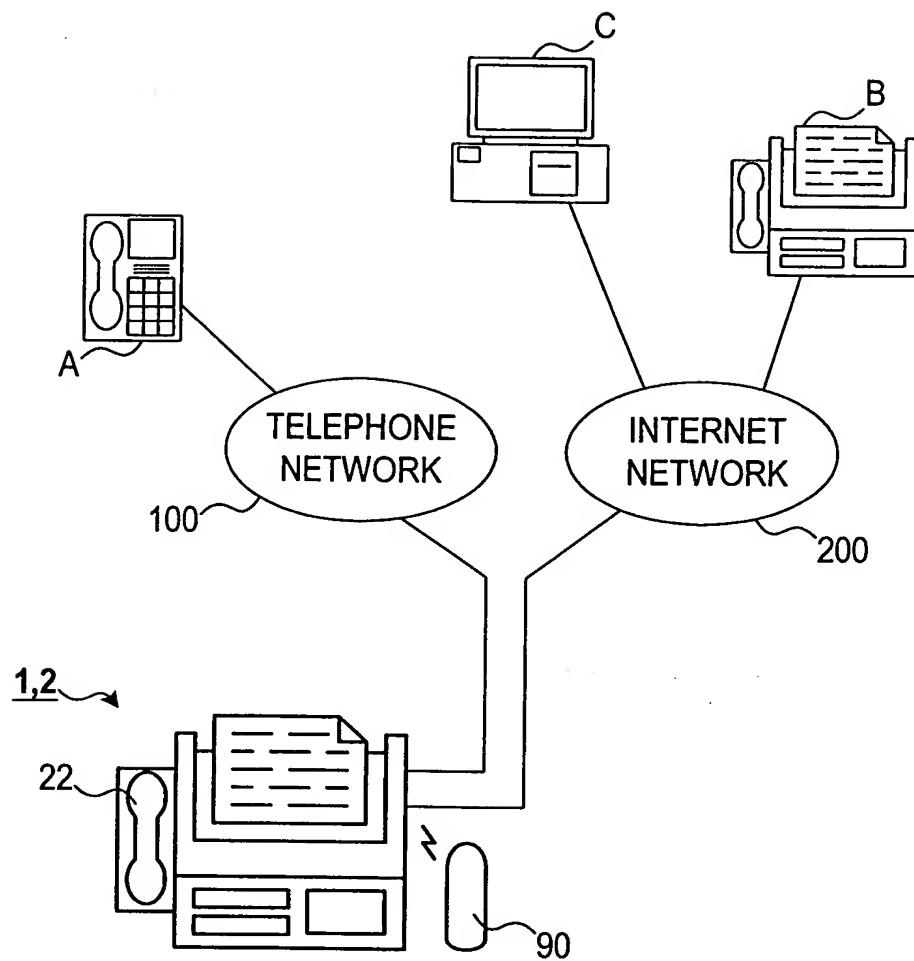


FIG.4

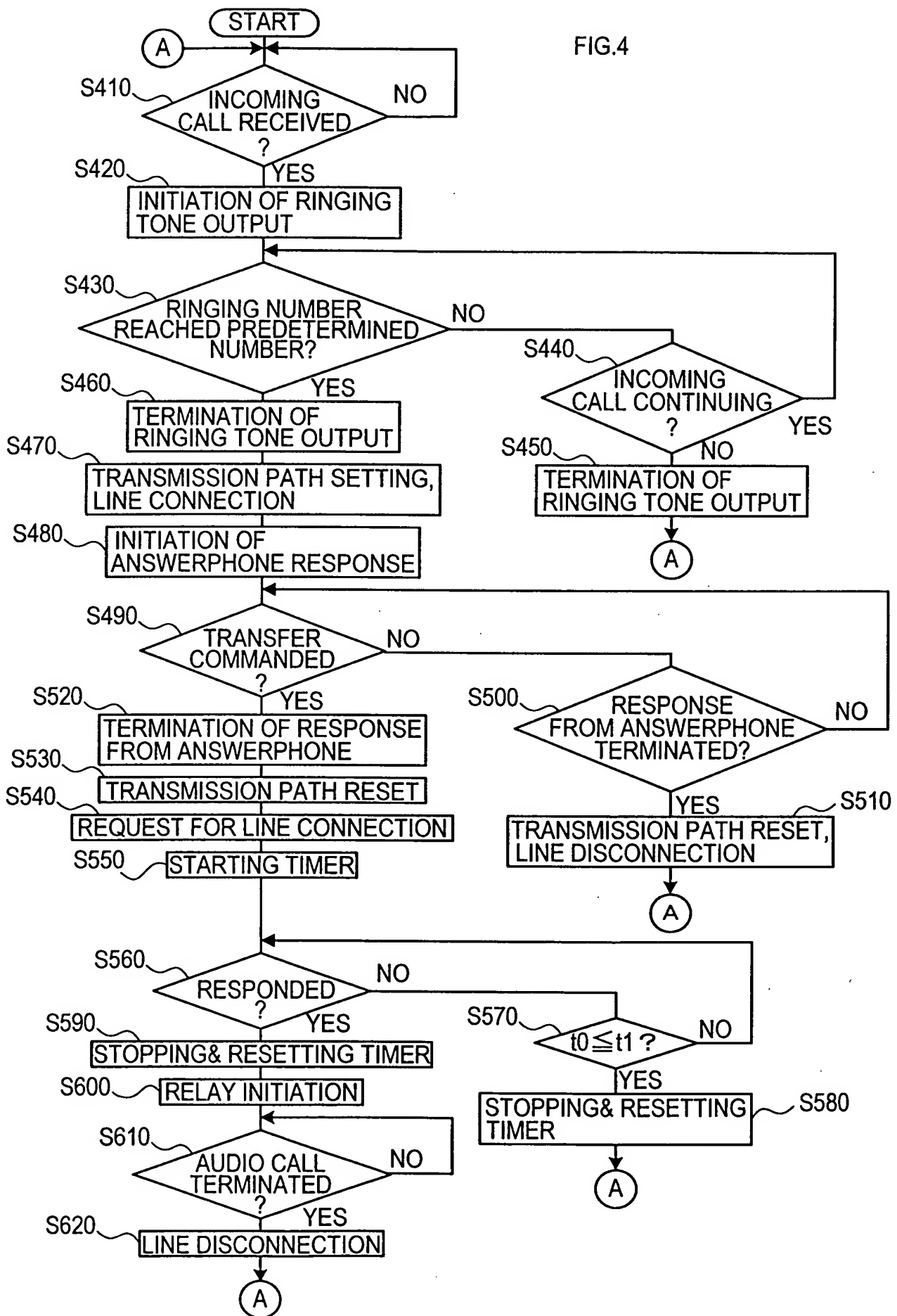


FIG.5

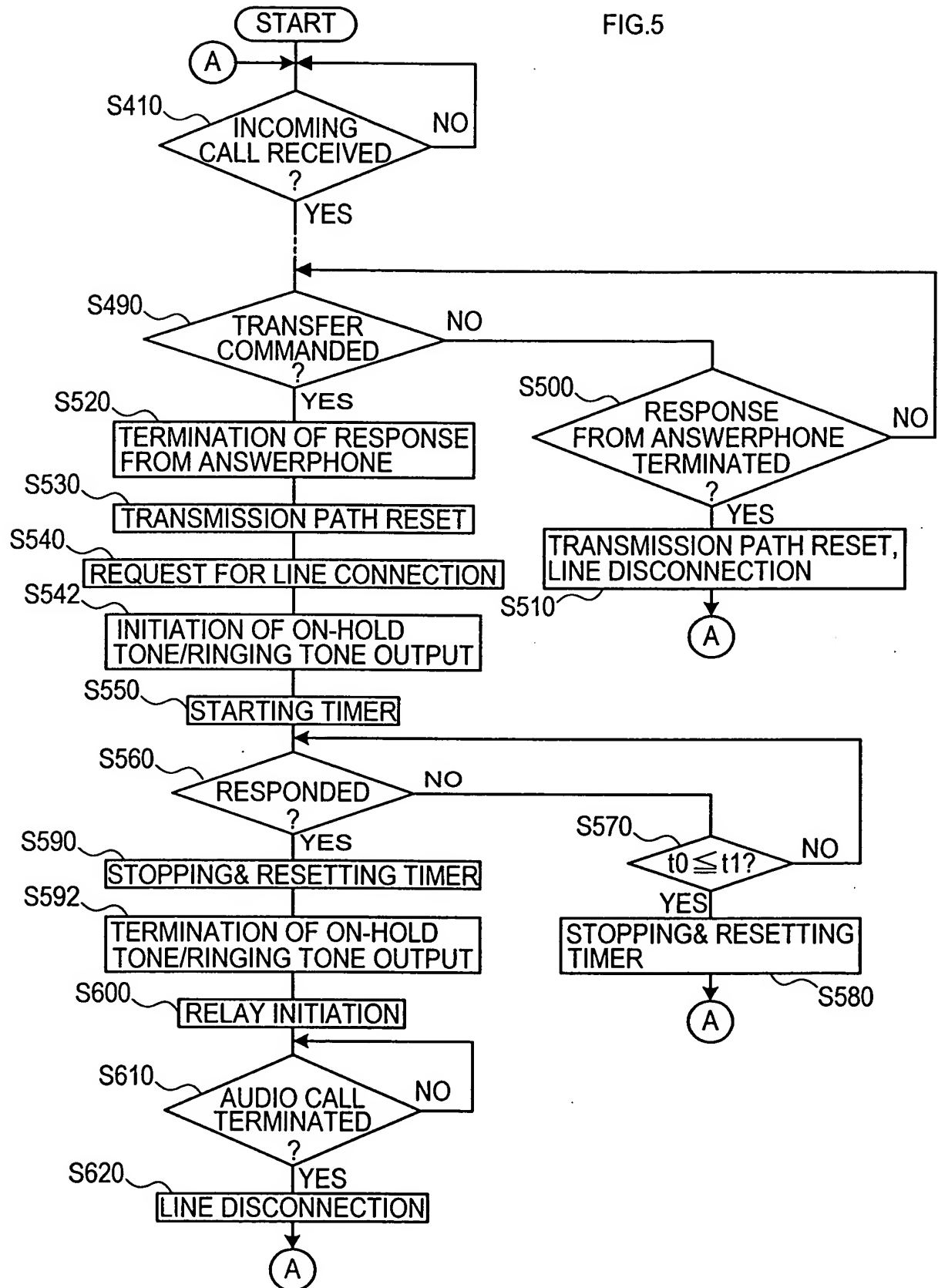


FIG.6

